

IN THE CLAIMS:

Claims 1-12 were cancelled.

13. ^{thrice amended}
(previously presented): An arrangement for directly controlling the movement of a zoom system in a stereo microscope, comprising:

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direct driving motors in the stereo microscope for at least one moving lens system wherein the driving motors are controlled by a control unit which reads calculated pre-stored values of reference points from a mathematical controlling curve for directing the movement of the at least one moving lens system by controlling the driving motors in a corresponding manner without necessitating use of mechanical generation of the mathematical controlling curve ~~and without a monitoring system for the driving motors.~~

14. (previously presented): The arrangement according to claim 13 with two lens members which comprise the at least one moving lens system and are controlled independently from one another.

15. (previously presented): The arrangement according to claim 13, wherein lens members which comprise the at least one moving lens system and are provided as lens pairs in a Greenough type stereo microscope or telescope type stereo microscope.

16. (cancelled).

D2
17. (previously presented): The arrangement according to claim 13, wherein the

D2end driving motors are linear drives.

D3 18. (original): The arrangement according to claim 17, wherein the linear drives are arranged in the stereo microscope housing.

D4 19. (previously presented) The arrangement according to claim 18, wherein the driving motors are arranged between lens pairs which comprise the at least one moving lens system.

D5 20. (previously presented): The arrangement according to claim 13, wherein a plurality of moving lens members which comprise the at least one moving lens system and are controlled jointly.

21. (previously presented): The arrangement according to claim 13, wherein at least two lens members which comprise the at least one moving lens system are driven separately.

D6 22. (previously amended): The arrangement according to claim 13, wherein a linear magnification that is adjusted is determined and displayed during the controlling of the zoom system.

D7 23. (previously amended): The arrangement according to claim 13, wherein at least one control unit is used for motorized zoom adjustment and for motorized focusing of the microscope.

24. (cancelled).